Journal of Fluid Mechanics **Volume 329 25 December 1996**

M. Jahanmiri, A. Prabhu & R. Narasimha Experimental studies of a distorted turbulent spot in a three-dimensional flow *page* 1

P. C. Dauby & G. Lebon Bénard–Marangoni instability in rigid rectangular containers 25

H. S. Kwak & J. M. Hyun Natural convection in an enclosure having a vertical sidewall with time-varying temperature 65

M. S. Howe Emendation of the Brown & Michael equation, with application to sound generation by vortex motion near a half-plane 89

Z. Huang & J. F. Keffer Development of structure within the turbulent wake of a porous body. Part 1. The initial formation region 103

Z. Huang, J. G. Kawall & J. F. Keffer Development of structure within the turbulent wake of a porous body. Part 2. Evolution of the three-dimensional features 117

I. B. Bazhlekov & A. K. Chesters Numerical investigation of the dynamic influence of the contact line region on the macroscopic meniscus shape 137

C. A. van Duin Rapid-distortion turbulence models in the theory of surface-wave generation 147

M. B. Mackaplow & E. S. G. Shaqfeh A numerical study of the rheological properties of suspensions of rigid, non-Brownian fibres 155

V. A. Vladimirov, H. K. Moffatt & K. I. Ilin On general transformations and variational principles for the magnetohydrodynamics of ideal fluids. Part 2. Stability criteria for two-dimensional flows 187

X. Zhang, R. S. Padgett & O. A. Basaran Nonlinear deformation and breakup of stretching liquid bridges 207

A. V. Coward & P. Hall The stability of two-phase flow over a swept wing 247

L. Jiang, C.-L. Ting, M. Perlin & W. W. Schultz Moderate and steep Faraday waves: instabilities, modulation and temporal asymmetries 275

J. H. Duncan & A. A. Dimas Surface ripples due to steady breaking waves 309

H. A. Carlson & J. L. Lumley Active control in the turbulent wall layer of a minimal flow unit 341

H. Ishigaki Laminar flow in rotating curved pipes 373

F. J. Higuera & A. Liñán Flow field of a diffusion flame attached to a thick-walled injector between two coflowing reactant streams 389

C. G. Phillips & S. R. Kaye A uniformly asymptotic approximation for the development of shear dispersion 413

INDEX TO VOLUME 329 444

CAMBRIDGE
UNIVERSITY PRESS

JFLSA7 329 1–445 (1996) 0022–1120 © Cambridge University Press

0022-1120(199612)329;1-4